

**REMOVABLE HARD DISK DRIVE (HDD) THAT IS HOT-PLUG  
COMPATIBLE WITH MULTIPLE EXTERNAL POWER SUPPLY  
VOLTAGES**

**ABSTRACT OF THE DISCLOSURE**

Circuitry in a hard disk drive (HDD) senses the supply voltage, normally at power-on, and applies appropriate DC-to-DC conversion (pass-through, step-down, or boost regulation) according to the design requirements of the HDD.

(FIG. 2A)

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